

Chemistry and Physics of Lipids 70 (1994) 225-228 Chemistry and Physics of LIPIDS

Subject index

Volume 70 (1994)

9-Anthroyloxy fatty acids: Multi-harmonic frequency fluorescence spectroscopy: Fluorescence lifetime: Hydrogen-bonding 70, 155

Acyl distribution: High resolution ¹³C-NMR; Fish phospholipids; Polyunsaturated fatty acids; Phospholipase C, sn-1,2-diacylglycerols **70**, 53

AIDS; AZT; HIV-1; Phospholipid conjugates; AZT triphosphate distearcylglycerol 70, 213

Alcohols, amyl: Fluorescerice polarization; Membrane fluidity; Nuclear magnetic resonance; Synaptic membranes 70, 147

Aspergillus fumigatus; Aspergillus versicolor; Glucosylceramide; Galactosylceramide; FAB-MS; ¹H-NMR spectroscopy; ¹³C-NMR spectroscopy **70**, 11

Aspergillus versicolor, Aspergillus fumigatus; Glucosylceramide; Galactosylceramide; FAB-MS; ¹H-NMR spectroscopy; ¹³C-NMR spectroscopy **70**, 11

Asymmetry; Lipids; Phospholipids; Fluorescence; Liposomes 70, 205

AZT; HIV-1; AIDS; Phospholipid conjugates; AZT triphosphate distearoylglycerol 70, 213

AZT triphosphate distearoylglycerol; AZT; HIV-1; AIDS; Phospholipid conjugates 70, 213

Bilayer defects: FTIR: Phase transitions: Metastable phases 70, 43

¹³C-NMR spectroscopy; Aspergillus fumigatus; Aspergillus versicolor; Glucosylceramide; Galactosylceramide; FAB-MS; ¹H-NMR spectroscopy 70, 11

Calorimetry; Phospholipid; Octadecynoic acid; Langmuir film; Phase transition 70, 187

Charge-transfer complex; Plastoquinone; α-Tocopherol quinone; Phosphatidylcholine; Octadecane 70, 199

Conformational analysis: 15-oxygenated sterols; ¹H and ¹³C-NMR; Mass spectrometry **70**, 163

Conformations; Squalene; NMR; Molecular mechanics 70, 21

β-Cyclodextrin; Fatty acid; Glycerides; Monolayer desorption; Human pancreatic lipase 70, 35

Deuterium-NMR; Water dynamics; Phosphatidylcholine bilayers; Spin-lattice relaxation; Self-diffusion 70, 121

Dioxoenoic acid: Furan fatty acid: Oxidation of furan fatty acid: Linoleic acid hydroperoxide: Lipoxygenase 70, 179

DNA; Sphingosine; Phospholipid; RNA; DSC 70, 1

DSC; Sphingosine; Phospholipid; DNA; RNA 70, 1

E. coli membranes; Phase transition; Lipid polymorphism; Trehalose; Glycerol; NMR 70, 133

Ellipticity change (235 nm); Ganglioside lactonization; (in vitro); G_{D1b}; G_{D3}; (H⁺ and ganglioside) 70, 95

ESR: Low density lipoproteins; Very low density lipoproteins; Nitroxides; Lipoproteins; Simulation 70, 101

FAB-MS; Aspergillus fumigatus; Aspergillus versicolor; Glucosylceramide; Galactosylceramide; ¹H-NMR spectroscopy; ¹³C-NMR spectroscopy **70**, 11

Fast atom bombardment mass spectrometry; Oligosaccharide sequence; Neoglycolipids; Fragmentation: Positive ions; Negative ions 70, 83

Fatty acid: β-Cyclodextrin; Glycerides; Monolayer desorption; Human pancreatic lipase 70, 35 Fish phospholipids: High resolution ¹³C-NMR; Polyunsaturated fatty acids; Acyl distribution; Phospholipase C, sn-1,2-diacylglycerols **70**, 53

Fluorescence: Lipids: Phospholipids: Liposomes: Asymmetry 70, 205

Fluorescence lifetime: 9-Anthroyloxy fatty acids; Multiharmonic frequency fluorescence spectroscopy; Hydrogenbonding 70, 155

Fluorescence polarization; Alcohols, amyl; Membrane fluidity; Nuclear magnetic resonance; Synaptic membranes 70, 147

Fragmentation; Fast atom bombardment mass spectrometry; Oligosaccharide sequence; Neoglycolipids; Positive ions; Negative ions 70, 83

FTIR; Phase transitions; Metastable phases; Bilayer defects 70, 43

Furan fatty acid; Oxidation of furan fatty acid; Dioxoenoic acid; Linoleic acid hydroperoxide; Lipoxygenase 70, 179

Ganglioside lactonization (in vitro); G_{D1b} ; G_{D3} ; (H⁺ and ganglioside); Ellipticity change (235 nm) **76**, 95

 G_{D1b} : Ganglioside lactonization (in vitro); G_{D3} : (H⁺ and ganglioside); Ellipticity change (235 nm) 70, 95

 G_{D3} ; Ganglioside lactonization (in vitro); G_{D1b} ; (H $^+$ and ganglioside) Ellipticity change; (235 nm) **70**, 95

Galactosylceramide; Aspergillus fumigatus; Aspergillus versicolor; Glucosylceramide; FAB-MS; ¹H-NMR spectroscopy; ¹³C-NMR spectroscopy **70**, 11

Glucosylceramide; Aspergillus fumigatus; Aspergillus versicolor; Galactosylceramide; FAB-MS; ¹H-NMR spectroscopy; ¹³C-NMR spectroscopy **70**, 11

Glycerides; β-Cyclodextrin; Fatty acid; Monolayer desorption; Human pancreatic lipase 70, 35

Glycerol; E. coli membranes; Phase transition; Lipid polymorphism; Trehalose; NMR 70, 133

¹H and ¹³C-NMR; 15-oxygenated sterols; Mass spectrometry; Conformational analysis 70, 163

(H* and ganglioside); Ganglioside lactonization (in vitro); G_{D1b} ; G_{D3} ; Ellipticity change (235 nm) 70, 95

¹H-NMR spectroscopy; Aspergillus fumigatus; Aspergillus versicolor; Glucosylceramide; Galactosylceramide; FAB-MS; ¹³C-NMR spectroscopy 70, 11 **High resolution** ¹³C-NMR; Fish phospholipids; Polyunsaturated fatty acids; Acyl distribution; Phospholipase C, sn-1,2-diacylglycerols **70**, 53

HIV-1; AZT; AIDS; Phospholipid conjugates; AZT triphosphate distearcylglycerol 70, 213

Human pancreatic lipase; β -Cyclodextrin; Fatty acid; Glycerides; Monolayer desorption 70, 35

Human platelets; Lipoproteins; LA-paf; Paf receptors; Monocytes 70, 109

Hydrogen-bonding; 9-Anthroyloxy fatty acids; Multi-harmonic frequency fluorescence spectroscopy; Fluorescence lifetime 70, 155

LA-paf; Lipoproteins; Paf receptors; Human platelets; Monocytes 70, 109

Langmuir film; Phospholipid; Octadecynoic acid; Phase transition; Calorimetry 70, 187

LDL; Lipoprotein structure 70, 63

Linoleic acid hydroperoxide; Furan fatty acid; Oxidation of furan fatty acid; Dioxoenoic acid; Lipoxygenase 70, 179

Lipid monolayer; Phospholipase A; Lipolysis products; Phospholipase activation 70, 75

Lipid polymorphism; E. coli membranes; Phase transition; Trehalose; Glycerol; NMR 70, 133

Lipids; Phospholipids; Fluorescence; Liposomes; Asymmetry 70, 205

Lipolysis products; Phospholipase A; Lipid monolayer; Phospholipase activation 70, 75

Lipoprotein structure; LDL 70, 63

Lipoproteins; ESR: Low density lipoproteins; Very low density lipoproteins; Nitroxides; Simulation 70, 101

Lipoproteins; LA-paf; Paf receptors; Human platelets; Monocytes 70, 109

Liposomes; Lipids; Phospholipids; Fluorescence; Asymmetry 70, 205

Lipoxygenase; Furan fatty acid; Oxidation of furan fatty acid; Dioxoenoic acid; Linoleic acid hydroperoxide 70, 179

Low density lipoproteins; ESR; Very low density lipoproteins; Nitroxides; Lipoproteins; Simulation 70, 101

Mass spectrometry; 15-oxygenated sterols; ¹H and ¹³C-NMR; Conformational analysis 70, 163

Membrane fluidity: Alcohols, amyl; Fluorescence polarization; Nuclear magnetic resonance; Synaptic membranes 70, 147

Metastable phases; FTIR; Phase transitions; Bilayer defects 70, 43

Molecular mechanics; Squalene; NMR; Conformations 70, 21

Monocytes; Lipoproteins; LA-paf; Paf receptors; Human platelets 70, 109

Monolayer desorption: β-Cyclodextrin; Fatty acid; Glycerides; Human pancreatic lipase 70, 35

Multi-harmonic frequency fluorescence spectroscopy; 9-Anthroyloxy fatty acids; Fluorescence lifetime; Hydrogenbonding 70, 155

Negative ions; Fast atom bombardment mass spectrometry; Oligosaccharide sequence; Neoglycolipids; Fragmentation; Positive ions 70, 83

Neoglycolipids: Fast atom bombardment mass spectrometry; Oligosaccharide sequence; Fragmentation; Positive ions; Negative ions 70, 83

Nitroxides: ESR; Low density lipoproteins; Very low density lipoproteins; Lipoproteins; Simulation 70, 101

NMR; E. coli membranes; Phase transition; Lipid polymorphism; Trehalose; Glycerol 70, 133

NMR; Squalene; Molecular mechanics; Conformations 70, 21

Nuclear magnetic resonance; Alcohols, amyl; Fluorescence polarization; Membrane fluidity; Synaptic membranes 70, 147

Octadecane; Plastoquinone: α-Tocopherol quinone; Chargetransfer complex; Phosphatidylcholine 70, 199

Octadecynoic acid: Phospholipid: Langmuir film: Phase transition; Calorimetry 70, 187

Oligosaccharide sequence; Fast atom bombardment mass spectrometry; Neoglycolipids; Fragmentation; Positive ions; Negative ions 70, 83

Oxidation of furan fatty acid; Furan fatty acid; Dioxoenoic acid; Linoleic acid hydroperoxide; Lipoxygenase 70, 179

15-Oxygenated sterols; ¹H and ¹³C-NMR; Mass spectrometry; Conformational analysis 70, 163

Paf receptors: Lipoproteins; LA-paf; Human platelets; Monocytes 70, 109

Phase transition; E. coli membranes: Lipid polymorphism; Trehalose; Glycerol; NMR 70, 133

Phase transition; Phospholipid; Octadecynoic acid; Langmuir film; Calorimetry 70, 187

Phase transitions: FTIR; Metastable phases; Bilayer defects 70, 43

Phosphatidylcholine: Plastoquinone; α-Tocopherol quinone; Charge-transfer complex; Octadecane 70, 199

Phosphatidylcholine bilayers; Water dynamics; Deuterium-NMR; Spin-lattice relaxation; Self-diffusion 70, 121

Phospholipase A; Lipid monolayer; Lipolysis products; Phospholipase activation 70, 75

Phospholipase activation; Phospholipase A; Lipid monolayer; Lipolysis products 70, 75

Phospholipase C, sn-1,2-diacylglycerols; High resolution ¹³C-NMR; Fish phospholipids; Polyunsaturated fatty acids; Acyl distribution 70, 53

Phospholipid; Octadecynoic acid; Langmuir film; Phase transition; Calorimetry 70, 187

Phospholipid; Sphingosine; DNA; RNA; DSC 70, 1

Phospholipid conjugates; AZT; HIV-I; AIDS; AZT triphosphate distearcylglycerol 70, 213

Phospholipids; Lipids; Fluorescence; Liposomes; Asymmetry 70, 205

Plastoquinone; α-Tocopherol quinone; Charge-transfer complex; Phosphatidylcholine; Octadecane 70, 199

Polyunsaturated fatty acids; High resolution ¹³C-NMR; Fish phospholipids; Acyl distribution; Phospholipase C, sn-1,2-diacylglycerols **70**, 53

Positive ions: Fast atom bombardment mass spectrometry; Oligosaccharide sequence; Neoglycolipids; Fragmentation; Negative ions 70, 83

RNA; Sphingosine; Phospholipid; DNA; DSC 70, 1

Self-diffusion; Water dynamics; Phosphatidylcholine bilayers; Deuterium-NMR; Spin-lattice relaxation 70, 121

Simulation: ESR; Low density lipoproteins: Very low density lipoproteins; Nitroxides; Lipoproteins 70, 101

Sphingosine; Phospholipid; DNA; RNA; DSC 70, 1

Spin-lattice relaxation; Water dynamics; Phosphatidylcholine bilayers; Deuterium-NMR; Self-diffusion 70, 121

Squalene; NMR; Molecular mechanics; Conformations 70, 21

Synaptic membranes; Alcohols, amyl; Fluorescence polarization; Membrane fluidity; Nuclear magnetic resonance 70, 147 α-Tocopherol quinone; Plastoquinone; Charge-transfer complex; Phosphatidylcholine; Octadecane 70, 199

Trehalose; E. coli membranes; Phase transition; Lipid polymorphism; Glycerol; NMR 70, 133

Very low density lipoproteins; ESR; Low density lipoproteins; Nitroxides; Lipoproteins; Simulation 70, 101

Water dynamics; Phosphatidylcholine bilayers; Deuterium-NMR; Spin-lattice relaxation; Self-diffusion 70, 121

Author index

Volume 70 (1994)

Abraham, W. 70, 155

Balch, C. 70, 205 Batna, A. 70, 179 Bergter, E.B. 70, 11 Brezesinski, G. 70, 187 Brooks, E. 70, 205

Ceruti, M. 70, 21

de Gier, J. 70, 133 de Kruijff, B. 70, 133 Doh, L.M. 70, 155

Egge, H. 70, 11, 83 Eisenblätter, S. 70, 121

Fabrie, C.H.J. 70, 133 Fowler, A. 70, 147

Galle, J. 70, 121 Garrison, M.D. 70, 155 Gerst, N. 70, 163 Graille, J. 70, 35

Hartmann, R. 70, 11 Hon Cheng, K. 70, 43 Hostetler, K.Y. 70, 213

Ivanova, M.G. 70, 35

Kawanishi, Y. 70, 95 Kim, L.J. 70, 163 Kinnunen, P.K.J. 70, 1 Kisic, A. 70, 163 Klima, B. 70, 83 Klose, G. 70, 121 Koiv, A. 70, 1 Komoroski, R.A. 70, 147 Korth, R. 70, 109 Kroneman, E. 70, 213 Kruk, J. 70, 199 Kumar, R. 70, 213 Kveder, M. 70, 101

Laurent, S. 70, 35 Lichtenberg, D. 70, 63

Mannova, M. 70, 187 Medina, I. 70, 53 Mirsky, V.M. 70, 75 Morris, R. 70, 205 Mrak, R.E. 70, 147 Mustonen, P. 70, 1

Pečar, S. 70, 101 Pifat, G. 70, 101 Pinkerton, F.D. 70, 163 Pioch, D. 70, 35 Pogliani, L. 70, 21 Pohlentz, G. 70, 11, 83 Potts, R.O. 70, 155 Ricchiardi, G. 70, 21 Richman, D.D. 70, 213 Richter, W.O. 70, 109 Rürup, J. 70, 187

Sacchi, R. 70, 53 Schara, M. 70, 101 Schlemm, S. 70, 83 Schmid, R.D. 70, 187 Schnitzer, E. 70, 63 Schroepfer, Jr., G.J. 70, 163 Siddiqui, A.U. 70, 163 Sleight, R.G. 70, 205 Smeets, J.M.W. 70, 133 Spiteller, G. 70, 179 Sriddar, C.N. 70, 213 Strzałka, K. 70, 199

Terabayashi, T. 70, 95 Tsuda, M. 70, 95

van den Bosch, H. 70, 213 van Wijk, G.M.T. 70, 213 Verger, R. 70, 35 Villas Boas, M.H.S. 70, 11 Viterbo, D. 70, 21 Volke, F. 70, 121

Wilson, W.K. 70, 163

Zimmermann, K. 70, 109